

US CLAIMS

1. Noise suppression system for a permanent-magnet motor for activating a functional device in a motor vehicle, in which the motor (1) includes supply brushes (8, 9) connected to an external power supply (12) by leads (10, 11) and a metal casing (2), characterized in that each brush (8, 9) is connected to the metal casing (2) of the motor through at least one noise suppression capacitor (13, 14), in that the metal casing (2) of the motor (1) is connected to the vehicle's earth (at 15) and in that the metal casing (2) of the motor and the functional device have complementary means for earthing the casing.
2. System according to Claim 1, characterized in that the supply leads (10, 11) are associated with inductors (16, 17).
3. System according to Claim 1, characterized in that the supply leads (10, 11) are formed by ferrite-loaded wires.
4. System according to any one of the preceding claims, characterized in that the means for earthing the casing of the motor comprise means for fastening this motor to the functional device.